

AN ANNOTATED CHECKLIST OF THE POLYCHAETES OF THE
KAIKOURA PENINSULA REGION

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INTRODUCTION

The polychaetes of the Kaikoura Peninsula region are as yet imperfectly known. Intertidal areas have been much more intensively collected than the sublittoral and deeper water areas. However, extensive collections of polychaetes have recently resulted from the collections made in the Kaikoura canyon system off the Peninsula by the University of Canterbury Cruise on the New Zealand Oceanographic Research Ship 'Tangaroa' in February 1983. When the collections are marked up the checklist will be considerably enlarged.

Records in the Checklist are based on a number of sources.

1. Collections made by Zoology Department research students (Baker, 1966; Coleman, 1966; Habib, 1968; Hay, 1971; Knight, 1968; Minson, 1972; Mossop, 1967; Poore, 1970; Rasmussen, 1965; Thompson, 1969).
2. Species recorded by Morgans (1967a, 1967b) in his investigation of the ecology of sandy beaches.
3. Species recorded by Knox and co-workers in a series of papers on New Zealand Polychaeta (Knox, 1956, 1960, 1971; Knox and Green, 1972a, 1972b, 1972c; Knox and Hicks, 1973).
4. Species recorded by Vine (1977) in his revision of the New Zealand Spirorbinae.
5. Collections made by Kathryn Green in September-October 1970.
6. Specimens in the collections of the Edward Percival Field Station. Specimens held in the collection are recorded in the Checklist by the station and catalogue number assigned to them (e.g. K472A, KA356C).

Nomenclature in the Checklist follows that of Day and Hutchings (1979). Where information is available notes are given on the habitat and colour (when living) of the species. Colour can change markedly upon preservation and the colours of fixed specimens are often of little value in the field. A map (Fig. 1) is included with the localities used for recording collection sites.

POLYCHAETE SPECIES RECORDED FROM THE KAIKOURA PENINSULA REGION

POLYCHAETA ERRANTIA

APHRODITIDAE

Aphrodite australis Baird 1965

POLYNOIDAE

Euphione squamosa (Quatrefages 1865)
Harmothoe praeclara (Haswell 1883)
Hyperhalesydnæ striata (Kinberg 1856)
Lepidasthenia sp.
Lepidastheniella comma (Thomson 1901)
Lepidonotus banksi Knox 1956
Lepidonotus fiordlandica Knox 1956
Lepidonotus jacksoni Kinberg 1956
Lepidonotus polychromus Schmarda 1861

PALMYRIDAE

Paleanotus sp.

PISIONIDAE

Pisione oerstedii Grube 1857

PHYLLODOCIDAE

Eulalia microphylla Schmarda 1861
Phyllodoce (*Anaitides*) *patagonica* (Kinberg 1966)
Phyllodoce (*Genetyllis*) sp.
Phyllodoce sp.

HESIONIDAE

Ophiodromus angustifrons (Grube 1878)

SYLLIDAE

- Amblyosyllis granosa* Ehlers 1897
Autolytus sp.
Brania furcelligera (Augener 1913)
Clavisyllis alternata Knox 1957
Eusyllis kerguelensis McIntosh 1885
Exogone heterosetosa McIntosh 1885
Odontosyllis polycera Schmarda
Odontosyllis psammochroma Augener 1924
Pionosyllis styliifera Ehlers 1897
Sphaerosyllis hirsuta Ehlers 1897
Syllides sp.
Syllis (*Haplosyllis*) *spongicola* Grube 1855
Syllis (*Langherhansia*) *ferrugina* (Langerhans 1881)
Syllis (*Typosyllis*) *armillaris* Muller 1771
Syllis (*Typosyllis*) *brachyiola* Ehlers 1897
Syllis (*Typosyllis*) *pectinans* (Haswell 1886)
Syllis (*Typosyllis*) *prolifera* var. *zonata* (Haswell 1886)
Syllis (*Typosyllis*) *variegata* Grube 1860
Trypanosyllis gigantea (McIntosh 1885)
Trypanosyllis (*Trypanodentata*) *taeniaeformis* (Haswell 1886).

NEREIDAE

- Laeonereis* sp.
Namanereis quadraticeps (Blanchard 1849)
Nereis (*Neanthes*) *cricognatha* Ehlers 1904
Nereis (*Nereis*) *falcaria* Willey 1905
Nereis (*Nereis*) *jacksoni* Kinberg 1866
Nicon sp.
Perinereis amblyodonta (Schmarda 1861)
Perinereis camiguinoides Augener 1922
Perinereis nuntia var. *brevicirris* (Grube 1857)
Perinereis nuntia var. *vallata* (Grube 1857)
Perinereis pseudocamiguina Augener 1922
Platynereis australis (Schmarda 1861)

NEPHTHYIDAE

- Aglaophamus macroura* (Schmarda 1861)

GLYCERIDAE

- Glycera americana* Leidy 1855
Glycera lamellipoda Knox 1960
Glycera tessellata Grube 1868
Hemipodus digitifera Knox 1960
Hemipodus simplex (Grube, 1857)

EUNICIDAE

- Eunice aphroditois* (Pallas 1788)

Eunice australis Quatrefages 1865
Eunice rubella Knox 1951
Eunice tentaculata Quatrefages 1865
Lysidice ninetta Audouin and Milne Edwards 1834
Marphysa capensis (Schmarda 1861)
Marphysa depressa (Schmarda 1861)
Marphysa unibranchiata Knox and Cameron 1970

OMAPHIDAE

Hyalinoecia tubicula (Muller 1776)
Rhaphobrachium maculatum Escourt 1966

LYSARETIDAE

Oenone fulgida (Savigny 1818)
Tainokia iridescens Knox and Green 1972

LUMBRINERIDAE

Lumbrinereis brevicirra (Schmarda 1861)
Lumbrinereis sphaerocephala (Schmarda 1861)

ARABELLIDAE

Arabella iricolor (Montagu, 1804)

DORVILLIDAE

Dorvillea australiensis (McIntosh 1885)

POLYCHAETA SEDENTARIA

SPIONIDAE

Boccardia (*Boccardia*) *atakourica* Rainer 1973
Boccardia (*Boccardia*) *polybranchia* (Haswell 1885)
Polydora armata Langerhans 1880
Polydora sp.
Scoelelepis antipoda (Augener 1926)
Scolecolepides benhami Ehlers 1904

MAGELONIDAE

Magelona papillicornis Muller 1858

CIRRATULIDAE

- Caulleriella bioculatus* (Keferstein 1862)
Caulleriella sp.
Cirratulus nuchalis Ehlers 1907
Cirriformia chrysoderma (Claparède 1868)
Cirriformia filigera (della Chiage 1828)
Cirriformia tentaculata (Montagu 1808)
Dodecacaria berkleyi Knox 1971
Tharyx marioni (Saint-Joseph 1894)

ORBINIIDAE

- Orbinia papillosa* (Ehlers 1907)
Proscoloplos cygnochaetus Day 1972
Scoloplos (Leodamus) ohlini (Ehlers 1900)
Scoloplos (Leodamus) sp.
Scoloplos (Scoloplos) armiger (Muller 1776)
Scoloplos (Scoloplos) cylindrifer Ehlers 1907

SCALIBREDGMIDAE

- Hyboscolex longiseta* Schmarda 1861
Scalibregma inflatum Rathke 1843

OPHELIIDAE

- Armandia maculata* (Webster 1884)

ARENICOLIDAE

- Abarenicola affinis affinis* (Ashworth 1903)

CAPITELLIDAE

- Capitella capitata* (Fabricius 1780)
Heteromastus filiformis (Claparede 1864)
Leochrides sp.

MALDANIDAE

- Axiiothella quadrimaculata* Augener 1914
Axiiothella sp.

OWENIDAE

- Owenia fusiformis* della Chiage 1844

FLABELLIGERIDAE

- Flabelligera affinis* Sars 1829
Pherusa parmata (Grube 1878)

SABELLARIDAE

Sabellaria antipoda Augener 1926

AMPHICTENIDAE

Pectinaria (Lagis) australis Ehlers 1904

AMPHARETIDAE

Ampharete sp.

TEREBELLIDAE

Nicolea chilensis (Schmarda 1861)

Lysilla sp.

Pista sp.

Polycirrus kerguelensis McIntosh 1885

Terebella haplochaeta (Ehlers 1904)

Terebella sp.

Thelepus plagiosoma (Schmarda 1861)

Streblosoma sp.

SABELLIDAE

Amphiglena mediterranea (Leidy 1851)

Branchiomma nigromaculata (Baird 1865)

Branchiomma serratibranchis (Grube 1878)

Fabricia sp.

Potamilla oligophthalmus Grube 1878

Megalomma suspiciens (Ehlers 1904)

Megalomma sp.

Oridia sp.

Sabellastarte sp.

SERPULIDAE

Galeolaria hystrix (Mörch 1863)

Pomatoceros cariniferus (Gray 1843)

Serpula vermicularis Linnaeus 1767

Temporaria sp.

Protula bispiralis (Savigny 1820)

Janua (Dexiospira) steueri (Sterzinger 1909)

Pileolaria (Duplicaria) pocillator Vine 1977

Paralaeospira lebruni (Caullery and Mesnil 1897)

Paralaeospira levinseni (Caullery and Mesnil 1897)

Romanchella (Romanchella) solea Vine 1977

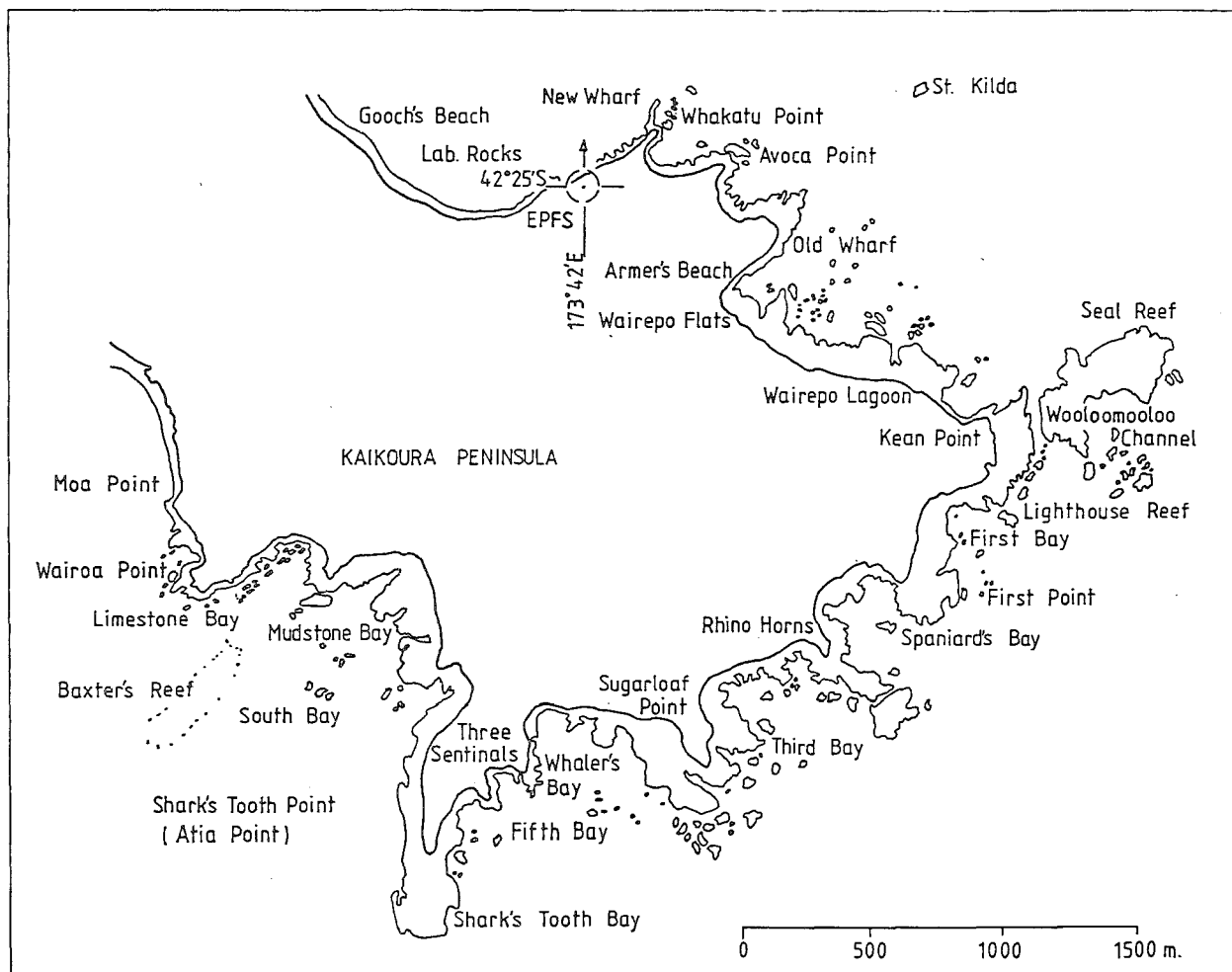


FIG. 1. Map of Kaikoura Peninsula

POLYCHAETA ERRANTIA

APHRODITIDAE

Aphrodite australis Baird 1965

Records: dredged off the Peninsula.

Habitat: free-living on sublittoral soft substrates.

Colour: dorsum covered with a grey-green felt.

POLYNOIDAE

Euphione squamosa (Quatrefages 1865)

Records: KO61P, 28.9.62, 25-40f. on edge of canyon; Green 1970, LWST, Seal Reef.

Habitat: free-living from LWST to 100m.

Colour: dull fawn to brown.

Harmothoe praeclara (Haswell 1883)

Records: KO63F, 1.8.77, 25-40f on edge of canyon.

Habitat: free-living from LWST to shallow sublittoral.

Colour: dark pigment on the dorsal surface.

Hyperhalesydnæ striata (Kinberg 1856)

Records: KA480B taken on long-line 2m off Amauri Bluff, 150-200f.

Habitat: free-living on hard bottoms 0-500m.

Colour: not noted when alive.

Lepidasthenia sp.

Records: KA305E, 30.10.74, in rock, shell and polychaete tube mass South Bay, 40f.

Habitat: sublittoral.

Colour: not noted.

Lepidastheniella comma (Thomson 1901)

Records: Green 1970, LWST, Seal Reef.

Habitat: commensal in terebellid tubes, lower intertidal to shallow subtidal.

Colour: anterior dorsum with bars of dark pigment, elytra with comma-shaped pigment patches.

Lepidonotus banksi Knox 1951

Records: KA305E, 30.10.74, in rock, shell and polychaete tube mass South Bay, 40f.

Habitat: free-living.

Colour: white, mottled grey markings on elytra.

Lepidonotus fiordlandica Knox 1956

Records: Green 1970, low tide, Seal reef.

Habitat: free-living.

Colour: elytra colourless.

Lepidonatus jacksoni Kinberg 1856

Records: Knox 1956, Kaikoura in driftweed; Habib 1968, in *Durvillea antarctica* holdfasts; Green 1970, in rock crevices, *Macrocystis pyrifera* holdfast Wairepo Flats; K061P, 29.2.62, 25-40f. on edge of canyon; K423E, 3.9.64; Seal Reef in *Lessonia variegata* holdfast; K605G, 4.4.65, in mass of floating *Macrocystis* 1 ¹/₂m off Peninsula.

Habitat: free-living intertidal to 170m.

Colour: dorsum and elytra golden brown; ventrum yellow, dorsal cirri with a dark subterminal band.

Lepidonotus polychromus Schmarda 1861

Records: Knox 1956, intertidal Kaikoura; Baker 1966, Morgan's Pool, Seal Reef; Coleman 1966, Morgan's Pool, Seal Reef; Green 1970, Avoca Point under stones; K298A, 9.5.62, on piles New Wharf; K377A, 28.8.64, Parititahi Tunnel Point, among rocks low tide.

Habitat: a common intertidal species from mid-tide down, has been recorded from 25m.

Colour: dorsum and elytra speckled brown.

PALMYRIDAE

Paleanotus sp.

Records: K800K, 14.1.66, Morgan's Pool, Seal Reef.

Habitat: free-living in algal holdfasts.

Colour: not noted.

PISIONIDAE

Pisione oerstedii Grube 1857

Records: Coleman 1966, Morgan's Pool, Seal Reef (as *Pisione* sp.).

Habitat: burrowing in sandy sediments.

Colour: pinkish.

PHYLLODOCIDAE

Eulalia microphylla Schmarda 1861

Records: Green 1970, Laboratory Rocks, in crevice *Hormosira* zone; Minson 1972, on shell of *Cookia sulcata*; K136A, 27.8.62, South Bay, mid-tide under rocks; K301A, 19.7.63, Seal Reef, *Hormosira* zone; K724B, 7.12.65 Morgan's Pool, Seal Reef, in crevice.

Habitat: free-living from mid-tide down under stones in crevices and among algae.

Colour: dorsum dark velvety olive green, ventrum pale green, parapodia and antennae pale yellow, eyes black.

Phyllodoce (Anaitides) patagonica (Kinberg 1866)

Records: Green 1970, Wairepo Flats.

Habitat: free-living.

Colour: green.

Phyllodoce (Genetyllis) sp.

Records: KA061I 7.8.71, Whalers Bay, under stones LWST.

Habitat: free-living.

Colour: not noted.

Phyllodoce sp.

Records: Green 1970, low water Seal Reef.

Habitat: free-living.

Colour: not noted.

HESIONIDAE

Ophiodromus angustifrons (Grube 1878)

Records: Green 1970, Wairepo Flats, under rocks and in algal holdfasts at LWST.

Habitat: free-living, under stones and amongst algae.

Colour: dorsum rusty brown, dorsal cirri paler tinged with green, parapodia dark at tips, eyes red, ventrum with intersegmental white stripes.

SYLLIDAE

Amblyosyllis granosa Ehlers 1897

Records: Green 1970, in algal holdfasts.

Habitat: free-living, LWST.

Colour: dorsum white with dark pattern, anal cirri white with dark stripes, palps white, antennae banded, eyes red.

Autolytus sp.

Records: Coleman 1966, intertidal pool Seal Reef.

Habitat: free-living in algae.

Colour: not noted.

Brania furcelligera (Augener 1913)

Records: Minson, 1972, on shells of *Cookia sulcata*.

Habitat: free-living amongst algae.

Colour: colourless.

Clavisyllis alternata Knox 1957

Records: Green 1970, Avoca Point in sand under stones.

Habitat: free-living.

Colour: body apricot, large papillae on dorsum, eyes mid-brown.

Eusyllis kerguelensis McIntosh 1885

Records: Hay 1971, lower intertidal in *Cystophora* spp. (as *Eusyllis* sp.)

Habitat: free-living amongst algae.

Colour: colour not noted.

Exogone heterosetosa McIntosh 1885

Records: Minson 1972 on shells of *Cookia sulcata*.

Habitat: free-living, lower intertidal amongst algae.

Colour: body pale, eyes red.

Odontosyllis polycera Schmarda

Records: Knight 1968, upper intertidal in the red alga *Bostrychia abuscula*; Green 1970, LWST in *Macrocystis pyrifera* holdfast; K006Y, Laboratory Rocks under stones *Hormosira* zone; K380A, 23.8.64, Lighthouse Point, LWST, under rocks in pool.
Habitat: free-living lower intertidal.
Colour: body white.

Odontosyllis psammochroma Augener 1924

Records: Green 1970, under stones low tide.
Habitat: free-living lower intertidal.
Colour: dorsum dark almost black, narrow white stripe on each segment, eye spots bright red.

Pionosyllis styliifera Ehlers 1897

Records: Mossop 1967, in *Corallina officinalis* mats at Lighthouse Point and First Bay (as *Pionosyllis* sp.); Green 1970, lower intertidal; K911C, 19.1.60, Morgan's Pool, Seal Reef.
Habitat: free-living in lower intertidal algae.
Colour: white, with brown intersegmental bands with white speckles.

Sphaerosyllis hirsuta Ehlers 1897

Records: Green 1970, lower intertidal.
Habitat: free-living.
Colour: minute, colourless.

Syllides sp.

Records: Coleman, 1966, Morgan's Pool, Seal Reef.
Habitat: free-living amongst algae.
Colour: not noted.

Syllis (Haplosyllis) spongicola Grube 1855

Records: Minson 1972, on shells of *Cookia sulcata*; K908C, 19.1.66, Morgan's Pool, Seal Reef.
Habitat: free-living in algae and crevices.
Colour: pale.

Syllis (Langerhansia) ferrugina (Langerhans 1881)

Records: Minson 1972, on shells of *Cookia sulcata*; Green 1970, lower intertidal; K966E, 21.8.66, Morgan's Pool, Seal Reef.
Habitat: free-living.
Colour: anterior third orange, posterior dark green, eye spots red.

Syllis (Typosyllis) armillaris Muller 1771

Records: Green 1970, Laboratory Rocks, low tide; K911C, 19.6.66, Morgan's Pool, Seal Reef.
Habitat: free-living.
Colour: colourless.

Syllis (Typosyllis) brachyiola Ehlers 1897

Records: Morgans 1967a, intertidal sand at Ingles Beach; Morgans 1967b, intertidal sand at Armers Beach; Knight 1968, Seal Reef, upper intertidal in the red alga *Bostrychia abuscula* (as *Typosyllis* sp.).
Habitat: free-living among algae.
Colour: white.

Syllis (Typosyllis) pectinans (Haswell 1886)

Records: K022, K032, Lighthouse Point, lower intertidal; K744A, 9.1.66, Morgan's Pool, Seal Reef; K949F, 20.8.66 Morgan's Pool, Seal Reef.

Habitat: free-living.

Colour: not noted.

Syllis (Typosyllis) prolifera var. *zonata* (Haswell 1886)

Records: Green 1970, Wairepo Flats in *Macrocystis* holdfasts; K024, 7.5.62, Lighthouse Point, in channel, LWST; K109J, 3.8.62, Seal Reef, under stones; K965E, 2.8.60, Morgan's Pool; Seal Reef.

Habitat: free-living in algae.

Colour: white with 2 dark lines across end of the anterior segments.

Syllis (Typosyllis) variegata Grube 1960

Records: Minson 1972, on shells of *Cookia sulcata*.

Habitat: free-living.

Colour: characterized by broken brown bars on the dorsum.

Trypanosyllis gigantea (McIntosh 1885)

Records: Baker 1966, Morgan's Pool, Seal Reef (as *Trypanosyllis* sp.); Green 1970, Wairepo in *Macrocystis pyrifera* holdfast;

KA069J, 22.8.71, in *Lessonia variegata* holdfast New Wharf.

Habitat: free-living, lower intertidal.

Colour: body cream, anterior with dark intersegmental stripes, eyes dark brown.

Trypanosyllis (Trypanodentata) taeniaeformis (Haswell 1886)

Records: Habib 1968, in *Durvillea antarctica* holdfasts, Seal Reef.

Habitat: free-living.

Colour: reddish-brown stripes on anterior segments.

NEREIDAE

Laeonereis sp.

Records: Minson 1972, in '*Lithothamnion*' on shells of *Cookia sulcata*.

Habitat: in burrows in '*Lithothamnion*' growths.

Colour: dark red-brown pigment on the prostomium and peristomium narrow transverse dark stripes on the anterior of the body segments.

Namanereis quadraticeps (Blanchard 1849)

Records: Knox 1968, in clay bank.

Habitat: supralittoral in burrows in soil.

Colour: creamy pink.

Nereis (Neanthes) cricognatha Ehlers 1904

Records: Green 1970 in sand under stones, mid-tide.

Habitat: in mucous tube encrusted with sand grains and shell fragments.

Colour: opaque with prominent dorsal blood vessel.

Nereis (Nereis) falcaria Willey 1905

Records: Baker 1966, Morgan's Pool, Seal Reef; Green 1970, South Bay, lower intertidal; K024, 7.5.62, Lighthouse Point; K062Q, 29.8.62, from 25-40f on the edge of the canyon; K414, 3.9.64, from *Lessonia variegata* Seal Reef; K412, 3.9.64, from *Macrocystis pyrifera* holdfast, Seal Reef, LWST; K472A, 1.7.63, dredged in 30f South Bay.

Habitat: lower intertidal to shallow sublittoral.

Colour: pearly pink with obvious dorsal blood vessel.

Nereis (Nereis) jacksoni Kinberg 1866

Records: Baker 1966, Morgan's Pool, seal Reef; Hay 1971, in *Cystophora* spp.; Green 1970, lower intertidal; K414, 3.9.64, *Lessonia* holdfast, Seal Reef.

Habitat: free-living.

Colour: green-brown.

Nicon sp.

Records: Morgans 1967, intertidal sand, Armers Beach.

Habitat: in burrows in intertidal sand.

Colour: not noted.

Perinereis amblyodonta (Schmarda 1861)

Records: Baker 1966, Morgan's Pool, Seal Reef; Knight 1968, upper intertidal in the red alga *Bostrychia abuscula*; Habib 1968, in *Durvillea antarctica* holdfasts, Seal Reef; Green 1970, lower intertidal under stones; K018J, 6.5.62, South Bay, *Hormosira* zone; K013A, 6.5.62, South Bay, in deep crevices in *Littorina* zone; K026B, 7.5.62, in *Durvillea antarctica* holdfasts, Lighthouse Point; K142A, 29.8.62, in *D. antarctica* holdfast, Goose Bay; KA354A, 2.8.73, heteronereis, taken by lights at night at New Wharf; K379B, 27.8.64, Parititahi Tunnel Point, mid tide.

Habitat: the common large intertidal free-living nereid.

Colour: dorsum dark moss green, iridescent, ventrum pale, parapodia cream.

Perinereis camiguinoides Augener 1922

Records: Baker 1966, Morgan's Pool, Seal Reef; K019J, 6.5.62, South Bay, *Hormosira* zone amongst loose stones and sand; K338B, heteronereid taken with light at night, Old Wharf; K412 3.9.64, from *Macrocystis pyrifera* holdfast, LWST, Seal Reef; KA354C, 2.8.73, heteronereid taken by light, New Wharf.

Habitat: free-living lower intertidal zone.

Colour: body brown-green, iridescent.

Perinereis nuntia var. *brevicirris* (Grube 1857)

Records: Baker 1966, Morgan's Pool, Seal Reef; Morgans 1967a, in intertidal sand at Ingle's Beach; Morgans 1967b, in intertidal sand at Armer's Beach; Green 1970, in sand under rocks; K008E, 6.5.62, in *Zostera* bed, Laboratory Rocks, K069A,B, 28.8.62, Laboratory Rocks; K141A-D, 27.8.62, mid-tide level, Goose Bay; K391B, 30.8.64, LWST under stones, Rhino Horn Point; KA356, 6.7.72, mid-tide under stones, Seal Reef; K896E, 7.5.66, *Zostera* bed, South Bay.

Habitat: widespread intertidal species in sediment on beaches or amongst stones; in tube of sand and shell fragments.

Colour: body yellow, parapodia white, prominent dorsal blood vessel.

Perinereis nuntia var. *vallata* (Grube 1857)

Records: Morgans 1967a, in intertidal sand at Ingle's Beach; 1967b in intertidal sand at Armer's Beach; Thompson 1969, in *Zostera* beds at Wairepo Flats and Mudstone Bay; K008F, in *Zostera* bed, Laboratory Rocks; K139B,C, 28.8.62, mid-tide amongst rocks, South Bay; K891G, 8.5.66, Morgan's Pool, Seal Reef; K897Q and K899D, in *Zostera* bed, South Bay.

Habitat: as for *P. nuntia* var. *brevicirris*

Colour: as for *P. nuntia* var. *brevicirris*.

Perinereis pseudocamiguina Augener 1922

Records: KA356, 6.5.72, under stones mid-tide level, Seal Reef.

Habitat: free-living.

Colour: not noted.

Platynereis australis (Schmarda 1861)

Records: Baker 1966, Morgan's Pool, Seal Reef; Green 1970, in tubes under rocks; K009R, 6.5.62, in *Zostera* bed, Laboratory Rocks; K057F, heteronereid taken by light, Old Wharf; K079, 19.8.61, heteronereid, taken by light, New Wharf; K377B, 27.8.64 Parititahi Tunnel Point, among rocks at low tide; K386C, 27.8.64, in *Zostera* bed, Wairepo flats; K825A, 19.1.66, Morgan's Pool, Seal Reef.

Habitat: a widespread intertidal species, in tubes mostly covered with shell fragments but also some sand grains.

Colour: body pinkish brown, slightly iridescent

NEPHTHYIDAE

Aglaophamus macroura (Schmarda 1861)

Records: Morgans 1967b, in intertidal sand at Armer's Beach (K550D); K642C, 13.8.64, in coralline algal zone, Shark's Tooth Point.

Habitat: burrowing in sand deposits.

Colour: creamy white, slightly iridescent.

GLYCERIDAE

Glycera americana Leidy 1855

Records: Morgans 1967b, in intertidal sand at Armer's Beach; Thompson 1969, in *Zostera* beds at Wairepo Flats and Mudstone Bay; Green 1970, under rocks, Seal Reef, low-tide zone.

Habitat: intertidal to 300m+ burrowing in sandy deposits, a common member of sand beach communities.

Colour: body red-pink, parapodia darker, an obvious darker mark at the base of the parapodia.

Glycera lamellipoda Knox 1960

Records: K386, 27.8.64, in *Zostera* bed Wairepo Flats; K889A, 8.5.66, in *Zostera* bed, South Bay, 26.8.72, Keans Point, under rocks.

Habitat: free-living burrowing in sediment.

Colour: body pinkish brown with a tessellated pattern on the dorsum of the anterior segments, darker tips to the parapodia.

Glycera tessellata Grube 1868

Records: K605, 5.8.75, from a mass of floating kelp 1.5m off the Peninsula.

Habitat: intertidal to 300+m.

Colour: pink with white spots.

Hemipodus digitifera Knox 1960

Records: Green 1970, in sand under stones.

Habitat: burrowing in sand, LWST to 60 m.

Colour: pearly pink, slightly iridescent.

Hemipodus simplex Grube 1857)

Records: Morgans 1967a, in intertidal sand at Ingle's Beach;

Morgans 1967b, in intertidal sand at Armer's Beach; K454D

23.11.64 in sandy sediment Gooch's Beach; 17.5.72, Keans Point, mid-tide in gravel under stones; 18.5.72, First Bay, LWV under rocks in gravel.

Habitat: intertidal to 25m burrowing in sandy sediments.

Colour: pinkish-brown.

EUNICIDAE

Eunice aphroditois (Pallas 1788)

Records: K632M, 9.10.64 from a longline off Amauri Bluff, 240f; KA469, 27.2.77, 6m off the Peninsula 145f.

Habitat: a large species (up to 560mm long), subtidal to considerable depths.

Colour: brown with purplish tinge, a white bar across setiger 4, may be spotted.

Eunice australia Quatrefages 1865

Records: Knox and Green 1972c, off Amauri Bluff; K632, 9.10.64, from longline off Amauri Bluff, 240f; K6054, 4.4.65, from mass of floating kelp 1.5m off the Peninsula.

Habitat: LWST to 439m on a wide variety of substrates.

Colour: body reddish brown with pale bars on the tentacular and 5th setiger, white median spots on the posterior segments.

Eunice rubella Knox 1951

Records: Green 1970, from *Macrocyttis* holdfast, LWST, Seal Reef; K632M from longline off Amauri Bluff, 240f.

Habitat: free-living.

Colour: body white with wine stripes, with pale bars on the tentacular and 5th setiger, white median spots on posterior segments.

Eunice tentaculata Quatrefages 1865

Records: Knox and Green 1972c, Kaikoura Peninsula.

Habitat: LWST to 550m on a wide variety of substrates.

Colour: brownish with a white collar on the 5th setiger.

Lysidice ninetta Andouin and Milne Edwards 1834

Records: Green 1970, Whalers Bay; Knox and Green 1972c, Kaikoura Peninsula; K724E, 17.12.65, Morgan's Pool, Seal Reef; K886M, 7.5.66, in small *Zostera* bed, Lighthouse Point; KA305E, 30.10.74, in rock, shell and polychaete tube mass from 30-40f in South Bay.

Habitat: intertidal to 91m on a wide variety of substrates.
Colour: reddish brown, dark acicula.

Marphysa capensis (Schmarda 1861)

Records: Green 1970, Whalers Bay, mid-tide in crevices in mudstone; Knox and Green 1972c, Kaikoura Peninsula; K139A, 27.2.62, South Bay, Rocks at mid-tide; K598J, 4.8.65, South Bay, boulder beach; K598J, 4.8.65, South Bay, boulder beach; KA405, 18.10.70, Whalers Bay in mudstone.

Habitat: intertidal rocky shores, in crevices and under stones.
Colour: iridescent, dorsum anteriorly tessellated with dark brown green, parapodia white, branchiae red.

Marphysa depressa (Schmarda 1861)

Records: Thompson 1969, *Zostera* beds at Wairepo Flats and Mudstone Bay; Green 1970, Laboratory Rocks, *Hormosira* zone; Knox and Green 1972c, Kaikoura intertidal; K064A, 22.8.62, trawled off the Peninsula; K084A, 19.8.61, rock pool Seal Reef; K886M, 7.5.66, small *Zostera* bed, Lighthouse Point; K889C, 8.5.66, *Zostera* bed, South Bay.

Habitat: lower intertidal to shallow sublittoral, in tunnels in mudstone and sediment.
Colour: pale iridescent body, reddish branchiae.

Marphysa unibranchiata Knox and Cameron 1970

Records: Knox and Green, 1972c, Kaikoura, intertidal.
Habitat: intertidal rocky shores.
Colour: light brown.

OMAPHIDAE

Hyalinoecia tubicula (Müller 1776)

Records: 27.2.77, 6m off the Peninsula, 145f.

Habitat: on soft bottoms to considerable depths, in cylindrical, tough, quill-like, colourless to red-yellow tubes open at both ends.

Colour: pinkish, iridescent.

Rhamphobrachium maculatum Escourt 1966

Records: Knox and Green 1973b, from '*Lithothamnion*' encrusted gastropod shells, K702N, 5.11.65, Morgan's Pool, Seal Reef.

Habitat: in tough parchment-like tubes in '*Lithothamnion*' encrustations.

Colour: pale with dark pigmentation on the prostomium, antennae, ceratophores, peristomium and parapodia.

LYSARETIDAE

Oenone fulgida (Savigny 1818)

Records: 3.72 trawled south of Kaikoura Peninsula.

Habitat: intertidal to subtidal in soft deposits.

Colour: not noted.

Tainokia iridescens Knox and Green 1971

Records: Knox and Green 1972b, in intertidal sand at Armer's Beach.

Habitat: burrowing in intertidal sand beaches forming a soft encasing tube.

Colour: anterior end dark purple green, dull blue or red-brown, rest of body brown with green iridescence, body, especially the anterior third luminescent, dorsal cirri red.

LUMBRINERIDAE

Lumbrinereis brevicirra (Schmarda 1861)

Records: Morgans 1967a, in intertidal sand at Ingle's Beach; Morgans 1967b, in intertidal sand at Armer's Beach; Thompson 1969, in *Zostera* beds at Wairepo Flats and Mudstone Bay; Green 1970, in sand under stones; Knox and Green 1972a, *Zostera* bed Laboratory Rocks and Armer's Beach; K006I, Laboratory Rocks, *Hormosira* zone, in sediment amongst rocks and stones; K456C, K555C, K460C, 23.11.64, Gooch's Beach, in sediment, K580, Moa Point, from pool just above *Hormosira* zone.

Habitat: intertidal to 1280m, in sand deposits in a mucous tube encrusted with sand and shell fragments.

Colour: pink to red-brown, iridescent.

Lumbrinereis sphaerocephala (Schmarda 1861)

Records: Knox and Green 1972a, Kaikoura Peninsula; KA069K, 22.8.71, from *Lessonia* holdfast, New Wharf.

Habitat: intertidal to 700m in sandy deposits, under intertidal stones and amongst algae.

Colour: pink to red-brown.

ARABELLIDAE

Arabella iricolor (Montagu 1804)

Records: Morgans 1967a, in intertidal sand at Ingle's Beach; Morgans 1967b, in intertidal sand at Armer's Beach; Green 1970, in algal holdfasts.

Habitat: free-living burrows in sand, amongst algae.

Colour: iridescent green-brown to pink, posterior white, black eye spots.

DORVILLIDAE

Dorvillea australiensis (McIntosh 1885)

Records: Green 1970, under rocks; 3.5.73, Keans Point, LWST under rocks.

Habitat: free-living under rocks, in crevices and amongst algae.

Colour: dorsum white with orange-pink stripes, dorsal cirri white with orange striations, ventrum white, anal cirri striped.

POLYCHAETA SEDENTARIA

SPIONIDAE

Boccardia (*Boccardia*) *atakourica* Rainer 1973

Records: K701A, in crevice in Morgan's Pool, Seal Reef; K725E, 7.12.62 in crevice in Morgan's Pool, Seal Reef.

Habitat: in burrows in sandy intertidal sediments.

Colour: body lightly pigmented, elongated patch of dark pigment spots on each side on dorsum of 5th segment.

Boccardia (*Boccardia*) *polybranchia* (Haswell 1885)

Records: Minson 1972, in burrows in '*Lithothamnion*' on shells of *Cookia sulcata*.

Habitat: usually found in mucous lined burrows in soft intertidal deposits.

Colour: creamy green with bright red gills.

Polydora armata Langerhans 1880

Records: Minson 1972, in burrows in '*Lithothamnion*' on shells of *Cookia sulcata*; K378B, 27.8.64, in *Zostera* beds, Wairepo Flats.

Habitat: in mucous lined burrows.

Colour: white.

Polydora sp.

Records: Morgans 1967b, in intertidal sand at Armer's Beach.

Habitat: burrowing in intertidal sand.

Colour: not noted.

Scolecopsis antipoda (Augener 1926)

Records: Morgans 1967a, in intertidal sand at Ingle's Beach;

Morgans 1967b, intertidal sand at Armer's Beach.

Habitat: in tubes in intertidal sand beaches.

Colour: pinkish-white.

Scolecoides benhami Ehlers 1907

Records: Morgans 1967a, in intertidal sand at Ingle's Beach;

Morgans 1967b, in intertidal sand at Armer's Beach; K008P, 6.5.62, in *Zostera* bed, Laboratory Rocks; K040A, 7.5.62, Armer's Beach; K378A, 27.8.64, in *Zostera* bed, Wairepo Flats.

Habitat: in sandy tubes in intertidal sandy beaches.

Colour: pinkish-white.

MAGELONIDAE

Magelona papillicornis Müller 1858

Records: Knox, 1968, Armer's Beach, LWST.

Habitat: on low tidal beaches in vertical sandy tubes.

Colour: pale.

CIRRATULIDAE

Caulleriella bioculatus (Keferstein 1862)

Records: Minson 1972, in galleries in '*Lithothamnion*' on shells of *Cookia sulcata*.

Habitat: in burrows in '*Lithothamnion*'.

Colour: body green, green to orange palps and branchial filaments.

Caulleriella sp.

Records: Minson 1972, in shells of *Cookia sulcata*.

Habitat: in burrows in '*Lithothamnion*' on *Cookia sulcata*.

Colour: dark green to black.

Cirratulus nuchalis Ehlers 1907

Records: Green 1970, in rock crevices Laboratory Rocks; K896CD, in *Zostera* bed, South Bay.

Habitat: in rock crevices, body partially enclosed in a soft membranous sand tube.

Colour: body pale, branchiae pinkish-red, tentacular filaments pale yellow.

Cirriformia chrysoderma (Claparède 1868)

Records: K899C, 7.5.66, in *Zostera* bed, South Bay.

Habitat: in burrows in sand and mud.

Colour: gold to reddish brown.

Cirriformia filigera (della Chiage 1828)

Records: K983, Shark's Tooth Point, from algae at LWST; K896B and K899B, 7.5.66, in *Zostera* bed, South Bay; K890G and K900C, 8.5.66, in *Zostera* bed, South Bay.

Habitat: burrowing in sand and mud in intertidal soft deposits and sediment between stones on rocky shores.

Colour: gold to reddish-brown with red branchial filaments.

Cirriformia tentaculata (Montagu 1808)

Records: Habib 1968, in *Durvillea antarctica* holdfasts, Seal Reef; Green 1970, Laboratory Rocks in *Hormosira* zone; K006S, 6.5.62, Laboratory Rocks, in sediment among rocks and stones; K008P, 6.5.62, Laboratory Rocks, in *Zostera* bed; K019J, 6.5.62, South Bay, among loose stones and sand, upper *Hormosira* zone; K138A, 27.8.62, South Bay, in mud mid-tide level; K143A, 27.8.62, Ingles Bay, under rock *Hormosira* zone; K380C, 23.8.64, Lighthouse Point, under rocks LWST, K890G, 8.5.66, South Bay in *Zostera* bed.

Habitat: in rock crevices, in sediment under rocks, in *Zostera* beds below MLWN, common.

Colour: body orange-brown, orange-red branchial filaments, tentacular filaments yellow.

Dodecaceria berkeleyi Knox 1971

Records: Knox 1971, in burrows in shells of *Cookia sulcata* and *Haliotis iris*; Minson 1972, in shells of *Cookia sulcata*.

Habitat: simple blind ending burrows in shell material and/or 'Lithothamnion' encrustations of gastropod molluscs.

Colour: body dark green to dark brown or almost black, palps green, tentacles red to orange.

Tharyx marioni (Saint-Joseph 1894)

Records: Minson 1972, in shells of *Cookia sulcata*.

Habitat: in burrows in 'Lithothamnion' encrustations on shells of gastropod molluscs.

Colour: not noted.

ORBINIIDAE

Orbinia papillosa (Ehlers 1907)

Records: Morgans 1967a, in intertidal sand at Ingles Beach;

Morgans 1967b, in intertidal sand at Armer's Beach.

Habitat: burrowing in sandy intertidal sediments.

Colour: body reddish-brown, branchiae red.

Proscoloplos cygnochaetus Day 1972

Records: Minson 1972, in burrows in *Cookia sulcata* shells.

Habitat: in burrows in gastropod shells.

Colour: body orange.

Scoloplos (Leodamus) ohlini (Ehlers 1900)

Records: K459D, 23.1.64, intertidal sediment Gooch's Beach.

Habitat: burrows in sand.

Colour: pinkish.

Scoloplos (Leodamus) sp.

Records: Morgans 1967a, in intertidal sand at Ingles Beach

(K455G); Morgans 1967b, in intertidal sand at Armer's Beach

(K555F); Green 1970, in sand deposits.

Habitat: in sand deposits, membranous tube coated with sand.

Colour: yellow to red-brown with darker brown striations on each segment, a dark crescentric mark above each parapodium.

Scoloplos (Scoloplos) armiger (Müller 1776)

Records: K910E, 10.5.66, Old Wharf, in soft sediment, 2.0m.

Habitat: in burrows in soft sediment.

Colour: not noted.

Scoloplos (Scoloplos) cylindrifer Ehlers 1907

Records: Morgans 1967a, in intertidal sand Ingles Beach; Morgans

1967b, in intertidal sand Armer's Beach; Thompson 1969, in

Zostera beds at Wairepo Flats and Mudstone Bay; Green 1970, under

rocks; K141, 27.8.62, Goose Bay, mid-tide level; K899D, 7.5.66,

in *Zostera* bed, South Bay; K505C and K459C, 22.11.64, Gooch's Beach.

Habitat: in diffuse membranous tube of sand grains.

Colour: pale, opaque, cirri and parapodia colourless.

OPHELIIDAE

Armandia maculata (Webster 1884)

Records: Knox 1968, in sediment Armers Beach.

Habitat: burrowing freely in sandy sediments.

Colour: pinkish, iridescent.

SCALIBREDGMIDAE

Hyboscolex longiseta Schmarda 1861

Records: Green 1970, in crevice low tide.

Habitat: burrowing in soft sediments.

Colour: dark wine red, dorsal surface tessellated.

Scalibregma inflatum Rathke 1843

Records: Knox 1968, in sediment between stones, Laboratory Rocks.

Habitat: burrowing in soft sediments.

Colour: bright red.

ARENICOLIDAE

Abarenicola affinis affinis (Ashworth 1903)

Records: Morgans 1967a, in intertidal sand at Ingles Beach;

Morgans 1967b, in intertidal sand at Armer's Beach; K378E, 27.8.64, in *Zostera* bed, Wairepo Flats.

Habitat: U-shaped burrows in sandy sediments.

Colour: dark green to black anteriorly, posterior paler.

CAPITELLIDAE

Capitella capitata (Fabricius 1780)

Records: Minson 1972, on shells of *Cookia sulcata*.

Habitat: usually burrowing in soft substrates.

Colour: pink to red.

Heteromastus filiformis (Claporede 1864)

Records: Green, 1970, in sediment LWST, Lighthouse Point.

Habitat: in burrows in soft sediments.

Colour: rusty-red.

Leochrides sp.

Records: Green 1970, in sediment amongst rocks LWST.

Habitat: burrowing in soft sediment.

Colour: not noted.

MALDANIDAE

Axiiothella quadrimaculata Augener 1914

Records: Morgans 1967a, in intertidal sand at Ingles Beach;

Morgans 1967b, in intertidal sand at Armer's Beach; Thompson 1969, in *Zostera* beds at Wairepo Flats and Mudstone Bay.

Habitat: in U-shaped mucous tubes with adhering sand grains in sandy sediments.

Colour: pink to orange-brown.

Axiothella sp.Records: Minson 1972, on shells of *Cookia sulcata*

Habitat: a minute tube-dwelling species.

Colour: not noted.

OWENIDAE

Owenia fusiformis delle Chiage 1844

Records: K953F, 10.8.66, Morgan's Pool, Seal Reef.

Habitat: in tubes in soft sediments, the anterior end of the tube which protrudes from the substrate coated with shell fragments and coarse sand grains.

Colour: pale.

FLABELLIGERIDAE

Flabelligera affinis Sars 1929

Records: Green 1970, in crevice LWST.

Habitat: lower intertidal amongst algae, characterised by sand encrusted gelatinous sheath.

Colour: body green to white.

Pherusa parmata (Grube 1878)

Records: Green 1970, LWST, Seal Reef.

Habitat: lower intertidal, surface papillose, usually covered with sand grains.

Colour: white tinged with brown and green.

SABELLARIDAE

Sabellaria antipoda Augener 1926

Records: Green 1970, aggregated sandy tubes attached to underside of rocks, LWST, Seal Reef.

Habitat: lower intertidal, in tubes attached to hard substrates, often massed to form large colonies.

Colour: body pale with pink tinge, branchiae red and green, paleae golden.

AMPHICTENIDAE

Pectinaria (Lagis) australis Ehlers 1904

Records: Green 1970, in sediment Gooch's Beach.

Habitat: in tapered tube of cemented sand grains, open at both ends with the narrow end projecting from the substrate.

Colour: paleae golden, body pale with pinkish-brown tinge.

AMPHARETIDAE

Ampharete sp.

Records: K800K, 14.1.66, Morgan's Pool, Seal Reef.

Habitat: in fragile tube of sandy mud.

Colour: not noted.

TEREBELLIDAE

Nicolea chilensis (Schmarda 1861)

Records: Habib 1968, in *Durvillea antarctica* holdfast, Seal Reef.
Habitat: in membranous sand and shell fragment-encrusted tubes attached to hard substrates.
Colour: white to pink.

Lysilla sp.

Records: KA069F, 22.8.75, from *Lessonia* holdfast, New Wharf.
Habitat: in sand encrusted tube.
Colour: not noted.

Pista sp.

Records: Green 1970, under rocks LWST, Seal Reef.
Habitat: in membranous tube encrusted with sand and shell fragments.
Colour: body golden orange, ventral pads with red-brown markings, gills pale pink, tentacles pale yellow, collar white.

Polycirrus kerguelensis McIntosh 1885

Records: Green 1970, from algal holdfasts, LWST, Seal Reef.
Habitat: in tube encrusted with sand grains.
Colour: transparent orange or pink, tentacular filaments white.

Terebella haplochaeta (Ehlers 1904)

Records: Green 1970, from algal holdfasts LWST, Seal Reef; K598H, 4.8.65, boulder beach South Bay.
Habitat: in sandy tube in sediments, crevices and algal holdfasts.
Colour: body white to pale yellow brown, tentacles white, gills red, eye-spots brown.

Terebella sp.

Records: Green 1970, from algal holdfasts, LWST, Seal Reef.
Habitat: in sand and shell fragment-encrusted tube.
Colour: not noted.

Thelepus plagiostoma (Schmarda 1861)

Records: Coleman 1966, Morgan's Pool, Seal Reef (as *Thelepus* sp.); Habib 1968, in *Durvillea antarctica* holdfast, Seal Reef; Green 1970, under stones LWST, Seal Reef.
Habitat: in tough sand and shell-encrusted tube.
Colour: body pale golden-yellow, tentacles white, slight green markings on parapodia, eye-spots dark brown.

Streblosoma sp.

Records: Green 1970, in sand under stones.
Habitat: in a mucous tube encrusted with sand and shell fragments.
Colour: body pale with green markings around the parapodia, tentacular filaments white, brown eye-spots.

SABELLIDAE

Amphiglena mediterranea (Leidy 1851)

Records: Minson 1972, on shells of *Cookia sulcata*.
Habitat: in tubes attached to shells.
Colour: not noted.

Branchiomma nigromaculata (Baird 1865)

Records: Hay 1971, in *Cystophora* spp. (as *B. cingulata*); Green 1970, South Bay, Seal Point.

Habitat: in tough tube covered with fine sand grains.

Colour: body dark apricot with deep red spots on the dorsum, collar white, radiole colourless with apricot bands.

Branchiomma serratibranchis (Grube 1878)

Records: K422U 3.9.64, in *Lessonia* holdfast, Seal Reef; K605F, 4.9.65, from a mass of floating *Macrocystis* 1.5m off the Peninsula.

Habitat: in tough tube covered with sand and shell fragments.

Colour: body colourless, each radiole with 15 pairs of purple eye spots.

Fabricia sp.

Records: Green 1970, amongst algae MLWS, Seal Reef.

Habitat: in tube attached to algae.

Colour: colourless.

Potamilla oligophthalmus Grube 1878

Records: K061T, 29.8.62, 20-40f on edge of canyon; K024K, 7.5.62, Lighthouse Point.

Habitat: in horny tube with free end encrusted with sand.

Colour: not noted.

Megalomma suspiciens (Ehlers 1904)

Records: Green 1970, in *Macrocystis* holdfast, Wairepo Flats; K061T, 29.8.62, 25-40f on edge of canyon; K772B, 19.1.66, Morgan's Pool, Seal Reef.

Habitat: in fragile-looking tube of sand grains and small shell fragments.

Colour: body transparent yellow, collar with green venation, black subterminal eyes, gill filaments brown to maroon at tips.

Megalomma sp.

Records: Green 1970, Whalers Bay, in faults in mudstone.

Habitat: in tough, thick-walled, gelatinous tube encrusted with sand.

Colour: not noted.

Oridia sp.

Records: Green 1970, amongst algae LWST, Seal Reef.

Habitat: in mucous tube.

Colour: not noted.

Sabellastarte sp.

Records: Hay 1977, in *Cystophora* spp.

Habitat: not recorded.

Colour: not noted.

SERPULIDAE

SERPULINAE

Galeolaria hystrix (Mörch 1863)

Records: K391A, 30.8.64, on rocks LWST Rhino Horn Point.

Habitat: widely spread around the Peninsula with single tubes attached to hard substrates from LWNT to sublittoral.

Colour: tube cream vividly splashed with pink, gills bright red.

Pomatoceros cariniferus (Gray 1843)

Records: Coleman 1966, Morgan's Pond, Seal Reef.

Habitat: growing singly or in clumps on rocks, in crevices and under boulders from mid-tide level to ELWS, common.

Colour: tube white with bluish tinge, tentacle crowns dark blue.

Serpula vermicularis Linnaeus 1767

Records: KA069K, from *Lessonia* holdfast, New Wharf; K772C, 19.1.62, Morgan's Pool, Seal Reef.

Habitat: LWST, attached to rocks.

Colour: tube white.

Temporaria sp.

Records: from longline 2 m off Amauri Bluff.

Habitat: attached to hard substrates.

Colour: not noted.

FILOGRANINAE

Protula bispiralis (Savigny 1820)

Records: K061, 29.2.62, 25-40f on edge of canyon.

Habitat: in cylindrical rugose tube.

Colour: gills red.

SPIRORBINAE

Janua (Dexiospira) steueri (Sterzinger 1909)

Records: Vine 1977, Kaikoura, intertidal on red algae.

Habitat: intertidal on algal filaments.

Colour: not noted.

Pileolaria (Duplicaria) pocillator Vine 1977

Records: Vine 1977, Kaikoura Peninsula.

Habitat: on bivalve shells.

Colour: radioles colourless at tip, orange at base, collar orange, abdomen orange.

Paralaeospira lebruni (Caullery and Mesnil 1897)

Records: Vine 1977, Kaikoura Peninsula.

Habitat: lower intertidal on the underside of stones.

Colour: most of body colourless, stomach brown, a red ring round the operculum.

Paralaeospira levinsoni (Caullery and Mesnil 1897)

Records: Baker 1966, Morgan's Pool, Seal Reef (as *Spirorbis zelandica*).

Habitat: attached to shells, rocks, algal fronds.

Colour: radioles and operculum colourless, thorax and abdomen tinged with orange, tube white.

Romanchella (*Romanchella*) *solea* Vine 1977

Records: Vine 1977, Kaikoura Peninsula.

Habitat: on algal fronds, especially *Eklonia radiata*.

Colour: radioles tinged with orange, anterior of abdomen reddish, posterior colourless.

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